

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hiroyuki Tsunoda et al.                      Art Unit : Unknown  
Serial No. : 10/581,183                                      Examiner : Unknown  
Filed : June 1, 2006                                        Conf. No. : 1638  
Title : EXPRESSION SYSTEMS USING MAMMALIAN BETA-ACTIN PROMOTER

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. Also enclosed are English translations of an International Search Report and an International Preliminary Report on Patentability (both from PCT/JP2004/018006).

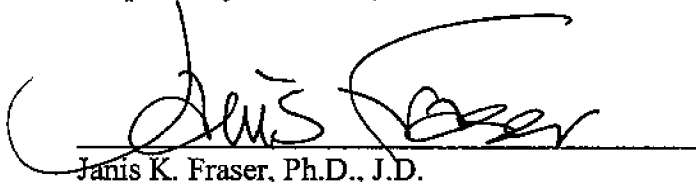
English translations of foreign language references AC and AD are not included, since they are members of the patent families of English-language references AE and AA, respectively.

This statement is being filed before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 14875-162US1.

Respectfully submitted,

Date:

July 27, 2007



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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 14875-162US1	Application No. 10/581,183
	Applicant Hiroyuki Tsunoda et al.			
	Filing Date June 1, 2006		Group Art Unit Unknown	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,795,965	08/18/1998	Tsuchiya et al.			
	AB	2003/0072938	04/17/2003	Kappes et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC	JP 7-502510	03/16/1995	Japan			See AE	
	AD	WO 92/19759	11/12/1992	WIPO			See AA	
	AE	WO 93/12240	06/24/1993	WIPO				
	AF	WO 2005/000888	01/06/2005	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AG	Antonucci et al., "Eukaryotic Promoters Drive Gene Expression in <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> , 264:17656-17659 (1989)
	AH	Donis et al., "Comparison of Expression of a Series of Mammalian Vector Promoters in the Neuronal Cell Lines PC12 and HT4," <i>BioTechniques</i> , 15:786-787 (1993)
	AI	Jaffe et al., "Developmental failure of chimeric embryos expressing high levels of H-2D <sup>d</sup> transplantation antigens," <i>Proc. Natl. Acad. Sci. USA</i> , 89:5927-5931 (1992)
	AJ	Kim et al., "Gene transfer into bovine cells and embryos using replication-defective retroviral vectors encapsidated with xenotropic murine leukemia virus envelopes," <i>Animal Biotechnology</i> , 4:53-69 (1993)
	AK	Kobayashi et al., "The CMV Enhancer Stimulates Expression of Foreign Genes from the Human EF-1 $\alpha$ Promoter," <i>Anal. Biochem.</i> , 247:179-181 (1997)
	AL	Morgenstern et al., "A series of mammalian expression vectors and characterization of their expression of a reporter gene in stably and transiently transfected cells," <i>Nucleic Acids Res.</i> , 18:1068 (1990)
	AM	Niwa et al., "Efficient selection for high-expression transfectants with a novel eukaryotic vector," <i>Gene</i> , 108:193-200 (1991)
	AN	Nudel et al., "The nucleotide sequence of the rat cytoplasmic $\beta$ -actin gene," <i>Nucleic Acids Res.</i> , 11:1759-1771 (1983)
	AO	Ramírez-Solis et al., "New vectors for the efficient expression of mammalian genes in cultured cells," <i>Gene</i> , 87:291-294 (1990)
	AP	Takebe et al., "SR $\alpha$ Promoter: an Efficient and Versatile Mammalian cDNA Expression System Composed of the Simian Virus 40 Early Promoter and the R-U5 Segment of Human T-Cell Leukemia Virus Type 1 Long Terminal Repeat," <i>Mol. Cell. Biol.</i> , 8:466-472 (1988)
	AQ	Xu et al., "Optimization of transcriptional regulatory elements for constructing plasmid vectors," <i>Gene</i> , 272:149-156 (2001)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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(37 CFR §1.98(b))			

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AR	Yano et al., "Ras oncogene enhances the production of a recombinant protein regulated by the cytomegalovirus promoter in BHK-21 cells," <i>Cytotechnology</i> , 16:167-178 (1994)
	AS	Zufferey et al., "Woodchuck Hepatitis Virus Posttranscriptional Regulatory Element Enhances Expression of Transgenes Delivered by Retroviral Vectors," <i>J. Virol.</i> , 73:2886-2892 (1999)

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